



**PTO Form 1449
(Modified)
Supplemental Information
Disclosure**

Atty Docket No. TPIP002B
Application No.: 09/756,092
Inventor M. Cima et al.
Group 1639
Filing Date August 21, 2003
Conf. No. 5650

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U.S. Patent Documents

Examiner Initial	No.	Patent No./Pub. No.	Date	Patentee	Filing Date
JE	A1	6,180,060	01/30/2001	Green et al.	03/10/1995
	B1	3,422,268	01/14/1969	Meinig	12/29/1965
	C1	5,424,037	06/13/1995	Zimmermann et al.	06/15/1994
	D1	5,705,333	01/06/1998	Shah et al.	08/05/1994
	E1	6,460,014	10/01/2002	Waldman et al.	10/01/2002
	F1	2002/0049771	04/25/2002	Nagashima	03/13/2001
	G1	2002/0061599	05/23/2002	Elling et al.	12/29/2000

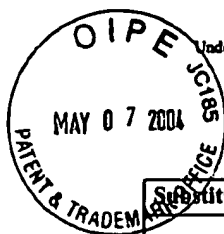
Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
JE	H1	WO 01/51919	07/19/2001	PCT				
	I1							
	J1							
	K1							
	L1							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	M1	
	N1	
Examiner	Date Considered 3/25/03	

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Substitute for Form 1449		Atty Docket No.	TPI-T200XC1
		Application No.:	09/756,092
Information Disclosure		Inventor	Michael Cima
Statement By Applicant		Group	1639
		Filing Date	January 8, 2001

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

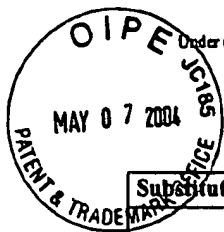
✓	A1	US- 6,487,523 B2	11-26-2002	Jarman et al.	Throughout
	B1	US- 5,956,137	09-21-1999	Lim et al.	Throughout
	C1	US- 2003/0124610	07-03-2003	Kvalheim et al.	Throughout
	D1	US- 6,003,029	12-14-1999	Agrawal et al.	Throughout
	E1	US- 2003/0124028 A1	07-03-2003	Carlson et al.	Throughout
	F1	US- 2003/0022234 A1	01-30-2003	Cawse et al.	Throughout
	G1	US- 5,463,564	10-31-1995	Agrafiotis et al.	Throughout
	H1	US- 2003/0033088 A1	02-13-2003	Agrafiotis et al.	Throughout
	J1	US- 6,434,490 B1	08-13-2002	Agrafiotis et al.	Throughout
	K1	US- 5,684,711	11-04-1997	Agrafiotis et al.	Throughout
	L1	US- 5,901,069	05-04-1999	Agrafiotis et al.	Throughout
	M1	US- 5,574,656	11-12-1996	Agrafiotis et al.	Throughout
	N1	US- 6,175,816 B1	01-16-2001	Flavin et al.	Throughout
	O1	US- 2001/0036640 A1	11-01-2001	D'Amico	Throughout
	P1	US- 2002/0183938 A1	12-05-2002	Kobylecki et al.	Throughout
	Q1	US- 3,932,131	01-13-1976	Rolfo-Fontana	Throughout
	R1	US- 5,999,255	12-07-1999	Dupee et al.	Throughout
	S1	US- 6,421,553 B1	07-16-2002	Costa et al.	Throughout
	T1	US- 2003/0219906	11-27-2003	Giaquinta et al.	Throughout
	U1	US- 6,333,501 B1	12-25-2001	Labrenz	Throughout
	V1	US- 6,327,334 B1	12-04-2001	Murray, Jr.	Throughout
	W1	US- 6,140,643	10-31-2000	Brown et al.	Throughout
	X1	US- 6,327,334 B1	12-04-2001	Murray, Jr. et al.	Throughout
	Y1	US- 2003/0119060	06-26-2003	Desrosiers et al.	Throughout
	Z1	US- 6,100,901	08-08-2000	Mohda et al.	Throughout
	A2	US- 5,832,182	11-03-1998	Zhang et al.	Throughout
✓	B2	US- 5,956,137	09-21-1999	Lim et al.	Throughout

Examiner Signature		Date Considered	3/25/05
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Information Disclosure Statement By Applicant	Application No.:	09/756,092
	Inventor	Michael Cima
	Group	1639
	Filing Date	January 8, 2001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Country Code ³ Number ⁴ Kind Code ⁵ (if known)					
JZ	C2	WO 03/014732 A1	02-20-2003	Symyx Technologies	Throughout
JZ	D2	WO 01/34290 A2	05-17-2001	SRI International	Throughout.

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Substitute for Form 1449	Atty Docket No.	TPI-T200XC1
	Application No.:	09/756,092
Information Disclosure	Inventor	CIMA, M.
Statement By Applicant	Group	1639
	Filing Date	January 8, 2001
NON PATENT LITERATURE DOCUMENTS		

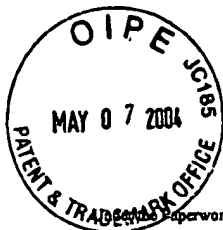
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ₂
JR	E2	Aldridge, P.K. <i>et al.</i> , "A Robotic Dissolution System with On-Line Fiber-Optic UV Analysis", <i>Journal of Pharmaceutical Sciences</i> , 84:8: (1995).	
	F2	Andersen, G. <i>et al.</i> , "A Spreadsheet Approach to Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 29:236-240 (1996).	
	G2	Anquetil, P.A. <i>et al.</i> , "Laser Raman Spectroscopic Analysis of Polymorphic Forms in Microliter Fluid Volumes", <i>Journal of Pharmaceutical Sciences</i> , Vol. 92:1: 149-160 (2003).	
	H2	Beckmann, W. <i>et al.</i> , "The Effect of Additives on Nucleation: A Low Cost Automated Apparatus", <i>Journal of Crystal Growth</i> , 99:1061-1064 (1990).	
	I2	Brodersen, D. <i>et al.</i> , "XAct: a program for construction, automated setup and bookkeeping of crystallization experiments", <i>Journal of Applied Crystallography</i> , 32:1012-1016 (1999).	
	J2	Bullock, E. & Pyatt, E.C., "Apparatus for the growth of crystals from small volumes of solution", <i>Journal of Physics E- Scientific Instruments</i> , Vol. 5: 412-413 (1972).	
	K2	Casay, G. <i>et al.</i> , "Laser scattering in a hanging drop vapor diffusion apparatus for protein crystal growth in a microgravity environment", <i>J. of Cryst. Growth</i> , 122:95-101 (1992).	
	L2	Chayen, N. <i>et al.</i> , "An Automated System for Micro-Batch Protein Crystallization and Screening", <i>J. App. Cryst.</i> , 23:297-302 (1990).	
	M2	Chayen, N. <i>et al.</i> , "New Developments of the IMPAX Small-Volume Automated Crystallization System", <i>Acta Cryst.</i> , D50:456-458, (1994).	
	N2	Cox, J. <i>et al.</i> , "Experiments with Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 20:366-373 (1987).	

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Substitute for Form 1449	Atty Docket No.	TPI-T200XC1
	Application No.:	09/756,092
Information Disclosure	Inventor	CIMA, M.
Statement By Applicant	Group	1639
	Filing Date	January 8, 2001

NON PATENT LITERATURE DOCUMENTS

<input checked="" type="checkbox"/>	O2	Cudney, B. <i>et al.</i> , "Screening and Optimization Strategies for Macromolecular Crystal Growth", <i>Acta Cryst.</i> , D50:414-423, (1994).	
<input type="checkbox"/>	P2	Davis, G.F. <i>et al.</i> , "Comparison of High Throughput Screening Technologies for Luminescence Cell-Based Reporter Screens", <i>Journal of Biomolecular Screening</i> , Volume 7: Number 1, (2002).	
<input type="checkbox"/>	Q2	Frank, Ronald, "Simultaneous and combinatorial chemical synthesis techniques for the generation and screening of molecular diversity," <i>Journal of Biotechnology</i> , 41:259-272 (1995).	
<input type="checkbox"/>	R2	Gilliland, G. <i>et al.</i> , "Screening for Crystallization Conditions and Robotics", <i>Acta Cryst.</i> , D50:408-413 (1994).	
<input type="checkbox"/>	S2	Gonzalez, F. <i>et al.</i> , "Crocodile: An Automated Apparatus for Organic Crystal Growth From Solution", <i>Acta Astronautica</i> , 25:12:775-784 (1991).	
<input type="checkbox"/>	T2	Jancarik, J. <i>et al.</i> , "Fast Communications", <i>J. of App. Cryst.</i> , 24: 409-411 (1991).	
<input type="checkbox"/>	U2	Kelders, H. <i>et al.</i> , "Automated protein crystallization and a new crystal form of a subtilisin: eglin complex", <i>Protein Engineering</i> , Vol. 1:4:301-303, (1987).	
<input type="checkbox"/>	V2	Kuball, M., "Raman Spectroscopy of GaN, AlGaIn and AlN for process and growth monitoring/control", <i>Surface and Interface Analysis</i> , 31:987-999 (2001).	
<input type="checkbox"/>	W2	Lindsey, J. <i>et al.</i> , "Robotic work station for microscale synthetic chemistry: On-line absorption spectroscopy, quantitative automated thin-layer chromatography, and multiple reactions in parallel", <i>Rev. Sci. Instrum.</i> , 59:6:940-950(1998).	
<input type="checkbox"/>	X2	McPherson, A., "Two approaches to the rapid screening of crystallization conditions", <i>Journal of Crystal Growth</i> , 122:161-167 (1992).	
<input checked="" type="checkbox"/>	Y2	Morris, D. <i>et al.</i> , "Automation of Protein Crystallization Trials: Use of a Robot to Deliver Reagents to a Novel Multi-Chamber Vapor Diffusion Plate", <i>Biotechniques</i> , Vol. 7:5:522-527 (1989).	

Examiner Signature		Date Considered	7/25/03
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Statement By Applicant	Group	1639
	Filing Date	January 8, 2001

NON PATENT LITERATURE DOCUMENTS

	Z2	Newman, Alan, "Send in the Robots", <i>Analy. Chem.</i> , 62:1:29-34 (1990).	
	A3	Oldfield, T. <i>et al.</i> , "A Flexible Approach to Automated Protein Crystallization", <i>J. Appl. Cryst.</i> , 24:255-260 (1991).	
	B3	Petty, C. <i>et al.</i> , "The use of FT-Raman Spectroscopy in the Study of Formulated Pharmaceuticals", Nicolet Instruments Pamphlet undated.	
	C3	Rosch, P. <i>et al.</i> , "Chemotaxonomy of Mints of Genus <i>Mentha</i> by Applying Raman Spectroscopy", Wiley InterScience - www.interscience.wiley.com DOI:10.1002/bip.10099 (2002).	
	D3	Rubin, B. <i>et al.</i> , "Minimal intervention robotic protein crystallization", <i>Journal of Crystal Growth</i> , 110: 156-163 (1991).	
	E3	Stewart, P. <i>et al.</i> , "Practical experimental design techniques for automatic and manual protein crystallization", <i>Journal of Crystal Growth</i> : 196:665-673, (1999).	
	F3	Sobriano, T.M. <i>et al.</i> , "ASTEC: an Automated System for Sitting-Drop Protein Crystallization," <i>Journal of Applied Crystals</i> , 26: 558-562 (1993).	
	G3	Tisone, T., "Dispensing systems for miniaturized diagnostics", <i>IVD Technology</i> , 1998.	
	H3	Van de Poll, S.W.E. <i>et al.</i> , "In Situ investigation of the chemical composition of ceroid in human atherosclerosis by Raman spectroscopy", <i>Journal of Raman Spectroscopy</i> , 33:544-551 (2002).	
	I3	Wehrens, R., <i>et al.</i> , "Mixture Modelling of medical magnetic resonance data", <i>Journal of Chemometrics</i> , 16:274-282 (2002).	
	J3	Yakovlev, Y. <i>et al.</i> , "A Laboratory Apparatus for Crystal Growth from Solution", <i>Instruments and Experimental Techniques</i> , Vol. 41:2: 292-296 (1998).	
	K3	Zeelen, J. <i>et al.</i> , "Crystallization Experiments with 2-Enoyl-CoA Hydratase, Using an Automated 'Fast-Screening' Crystallization Protocol", <i>Acta Cryst.</i> , D50:443-447 (1994).	

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